Claims

What is claimed is:

[c1]   A mechanism for controlling access to workspaces, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository; and

a server having at least one server object which implements the interface.

[c2]   The mechanism of claim 1, wherein the workspaces comprise files stored under a version control abstraction.

[c3]   The mechanism of claim 1, further comprising a servlet which parses requests sent to the server and delegates processing of the requests to the server object.

[c4]   The mechanism of claim 1, wherein the server communicates using HTTP protocol.

[c5]   The mechanism of claim 1, wherein the server communicates using HTTPS protocol.

[c6]   A system for accessing workspaces, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository;

a server having at least one server object which implements the interface; and

at least one servlet which parses requests sent to the server and delegates processing of the request to the server object.

[c7]   The system of claim 6, further comprising a container which provides runtime support for the servlet.

[c8]   The system of claim 7, wherein the container is built into a web server.

[c9]   The system of claim 7, wherein the container is connected to a web server.

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[c10] A system for remotely accessing workspaces in a network, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository;

a server having at least one server object which implements the interface; and

a proxy object that can be called to forward a request for a method of the server object to the server.

[c11] The system of claim **10**, wherein the proxy object implements the interface.

[c12] The system of claim **10**, further comprising a servlet which receives the request and delegates processing of the request to the server object.

[c13] The system of claim **12**, further comprising a container which provides runtime support for the servlet.

[c14] The system of claim **13**, wherein the container is built into a web server.

[c15] The system of claim **13**, wherein the container is connected to a web server.

[c16] The system of claim **12**, wherein the request is forwarded to the server using HTTP protocol.

[c17] The system of claim **12**, wherein the request is forwarded to the server using HTTPS protocol.

[c18] The system of claim **10**, wherein the workspaces comprise files stored under a version control abstraction.

[c19] A system for remotely accessing workspaces in a network, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository;

a server having at least one server object which implements the interface;

a proxy object that can be called to forward a request for a method of the server object to
the server; and

a client that calls a method of the proxy object.

[c20] The system of claim 19, wherein the proxy object implements the interface.

[c21] The system of claim 19, further comprising a servlet which receives the request and
delegates processing of the request to the server object.

[c22] The system of claim 21, wherein the request is transmitted to the servlet over a HTTP
connection.

[c23] The system of claim 21, wherein the request is transmitted to the servlet over a HTTPS
connection.

[c24] The system of claim 19, wherein the workspaces comprise files stored under a version
control abstraction.

[c25] A system for remotely accessing workspaces in a client-server network, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository;

a server having at least one server object which implements the interface;

a proxy object that can be called to forward a request for a method of the server object to
the server; and

a servlet which parses the request and delegates processing of the request to the server
object.

[c26] The system of claim 25, further comprising a container which provides runtime support
for the servlet.

[c27]   The system of claim **26**, wherein the request is forwarded to the server using HTTP protocol.

[c28]   The system of claim **26**, wherein the request is forwarded to the server using HTTPS protocol.

[c29]   The system of claim **25**, wherein the proxy object implements the interface.

[c30]   The system of claim **25**, wherein the workspaces comprise files stored under a version control abstraction.

[c31]   A method for executing transactions in a network having a client-side and a server-side, comprising:

   calling a method of a client-side proxy object that implements an interface having a set of methods that can be invoked to access a repository of workspaces; and

   transmitting the method call to a server-side object which processes the method call and returns the result to the client-side proxy object.

[c32]   The method of claim **31**, wherein transmitting the method call to the server-side object comprises translating the method call into a client request.

[c33]   The method of claim **31**, wherein transmitting the method call to the server-side object further includes transmitting the client request to a server.

[c34]   The method of claim **33**, wherein transmitting the client request to the server is based on HTTP protocol.

[c35]   The method of claim **33**, wherein transmitting the client request to the server is based on HTTPS protocol.

[c36]   The method of claim **33**, further comprising invoking a servlet to generate a response for the client request.

[c37]   The method of claim **36**, wherein the servlet delegates processing of the client request to the server-side object.

[c38]   The method of claim **31**, wherein a method of the client-side proxy object is called as a result of executing a command on the client-side.

[c39]   A system for remotely accessing workspaces in a network, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository;

a server having at least one server object which implements the interface; and

a mechanism for remotely invoking a method of the server object.

[c40]   The system of claim **39**, wherein the mechanism comprises a stub which acts as a proxy for the server object and a skeleton that invokes the method on the server object.

[c41]   A system for remotely accessing workspaces in a network, comprising:

a repository for storing the workspaces;

an interface having a set of methods that can be invoked to access the repository;

a first server that provides management functions for the repository; and

a second server having at least one server object that implements the interface and that interacts with the first server to access the repository.

[c42]   The system of claim **41**, further comprising a client that sends messages to and receives responses from the second server.

[c43]   The system of claim **42**, further comprising a mechanism for remotely invoking a method of the server object.

[c44]   The system of claim **41**, wherein the first server comprises at least one object which implements the interface.